

ABSTRACT

[00048] A multichannel wireless telemetry system is disclosed. The system includes a transmitter and a receiver in communication with the transmitter. The transmitter includes a signal processing chip. The signal processing chip includes a plurality of input preamplifiers, a plurality of selective second amplifiers, a subcarrier oscillator connected to the selective second amplifiers, a timing circuit connected to the subcarrier oscillator, a calibration circuit connected to the timing circuit, and a 1-of-several decoder connected to the timing circuit. Each selective second amplifier is connected to a different input preamplifier.